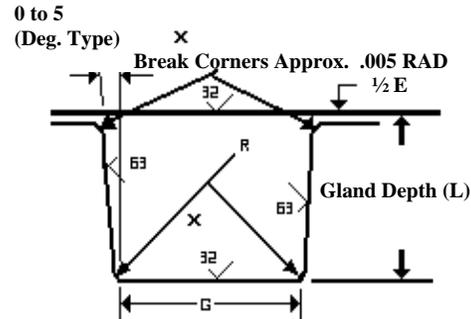
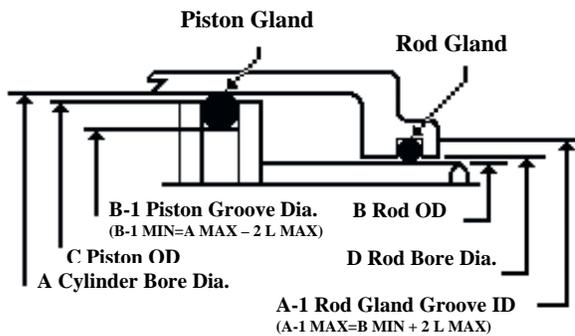


Industrial Reciprocating Seal Design Chart



X=32 RMS when sealing liquids.
 X=16 RMS when sealing gas or vacuum.
 X=16 RMS for all dynamic surfaces.

O-Ring Size No.	W O-Ring Cross Section		L Gland Depth	Squeeze		E (a) Diametral Clearance	R Groove Radius	Max. Eccentricity (b)
	Nominal	Actual		Actual	%			
	-006 to -012	1/16	.070 ± .003	.055 to .057	.010 to .018	15 to 25	.002 to .005	.005 to .015
-014 to -116	3/32	.103 ± .003	.088 to .090	.010 to .018	10 to 17	.002 to .005	.005 to .015	.002
-201 to -222	1/8	.139 ± .004	.121 to .123	.012 to .022	9 to 16	.003 to .006	.010 to .025	.003
-309 to -349	3/16	.210 ± .005	.185 to .188	.017 to .030	8 to 14	.003 to .006	.020 to .035	.004
-425 to -460	1/4	.275 ± .006	.237 to .240	.029 to .044	11 to 16	.004 to .007	.020 to .035	.005

(a) Clearance (extrusion gap) must be held to a minimum consistent with design requirements for temperature range variation

(b) Total indicator reading between groove and adjacent bearing surface.